

FIG. 1

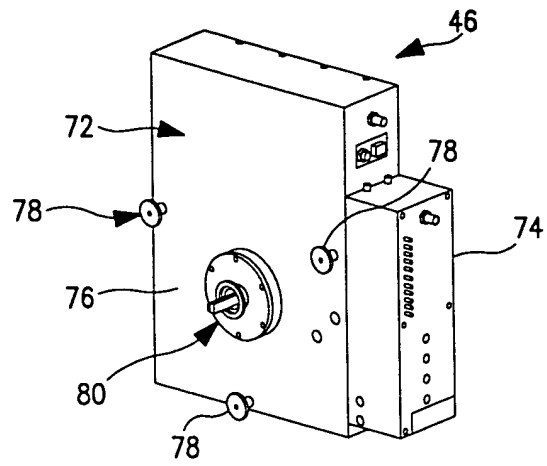


FIG. 2

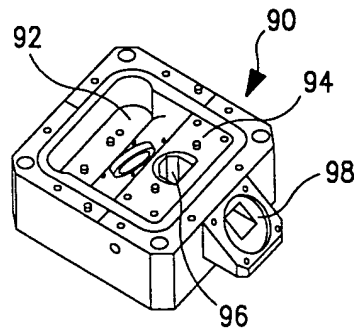


FIG. 3a

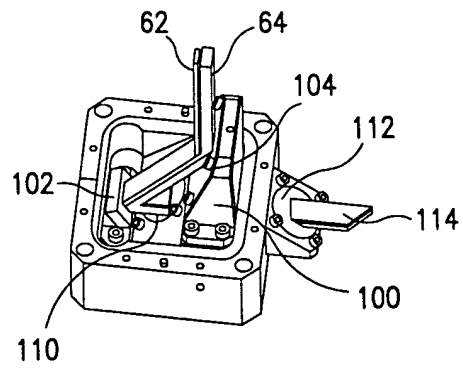


FIG. 3b

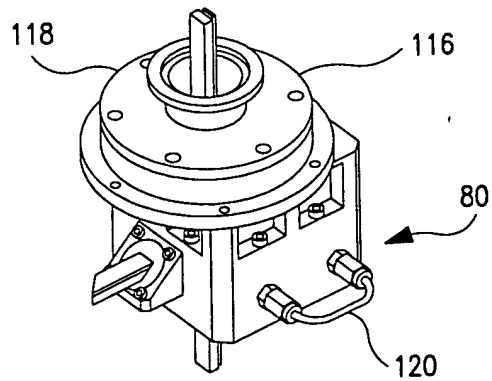


FIG. 3c

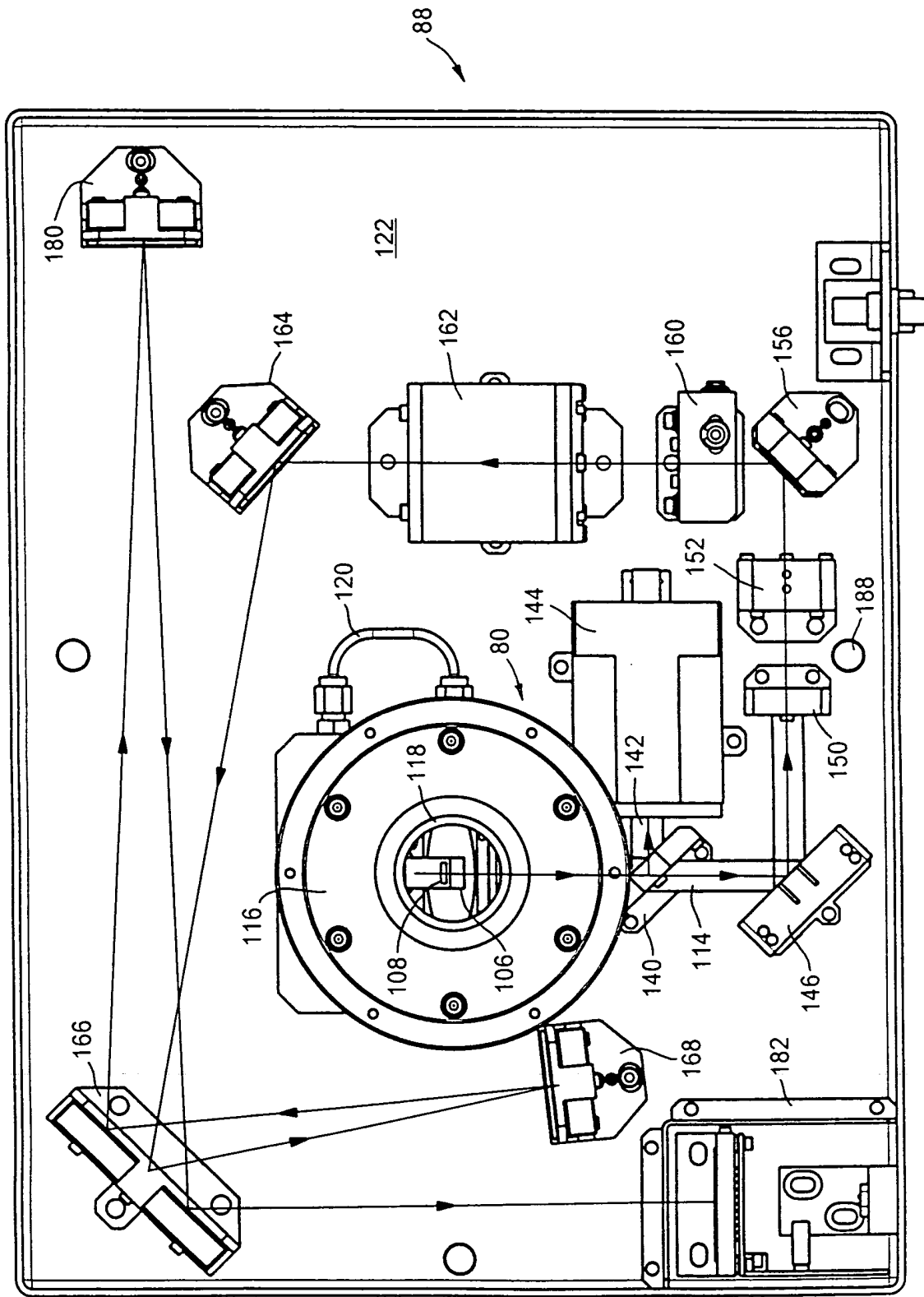


FIG. 4

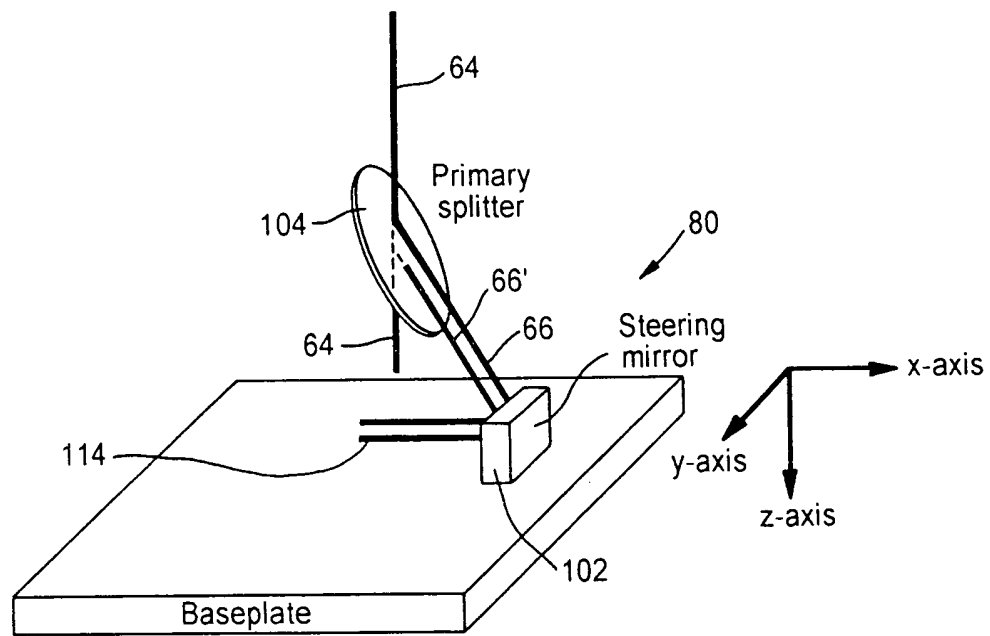
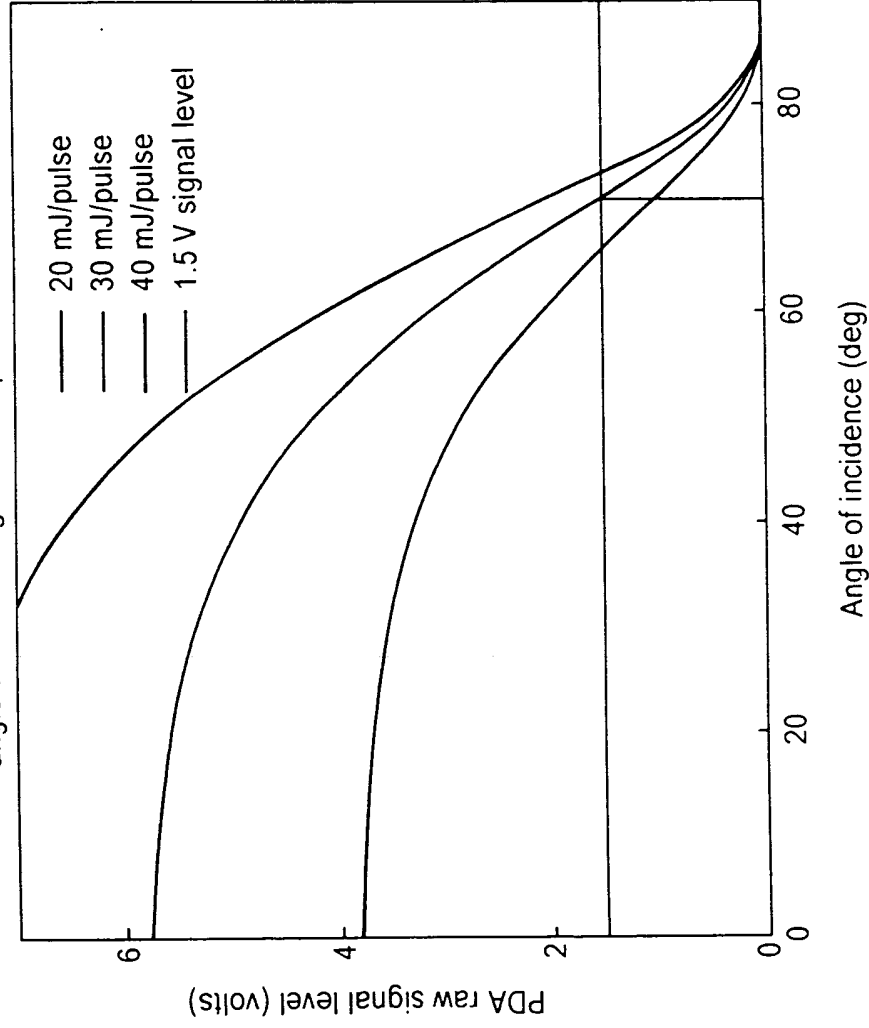


FIG. 5

Signal levels at the PDA in SAM with 10 deg cone angle diffuser using a *double* plate attenuator



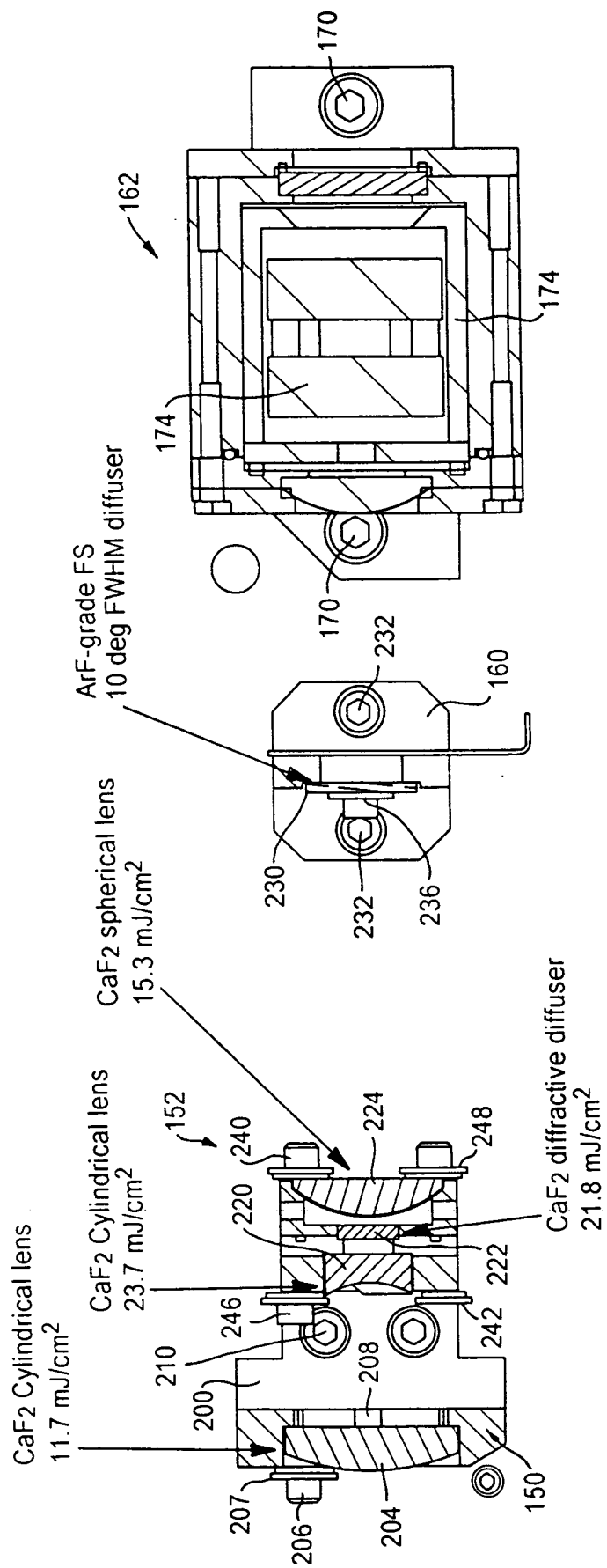
Angle of incidence at attenuators:
(full reflector at M1)

65.9 deg for 1.5 V @ 20 mJ/pulse
70.8 deg for 1.5 V @ 30 mJ/pulse
73.2 deg for 1.5 V @ 40 mJ/pulse

45 deg Fresnel reflection:

Signal expected to be 1.1 V @ 30 mJ/pulse

FIG. 6



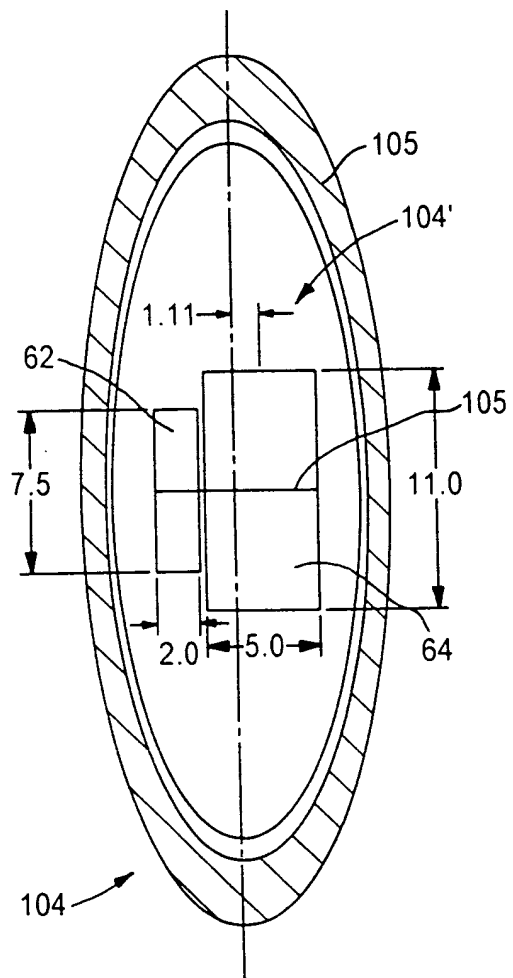


FIG. 8a

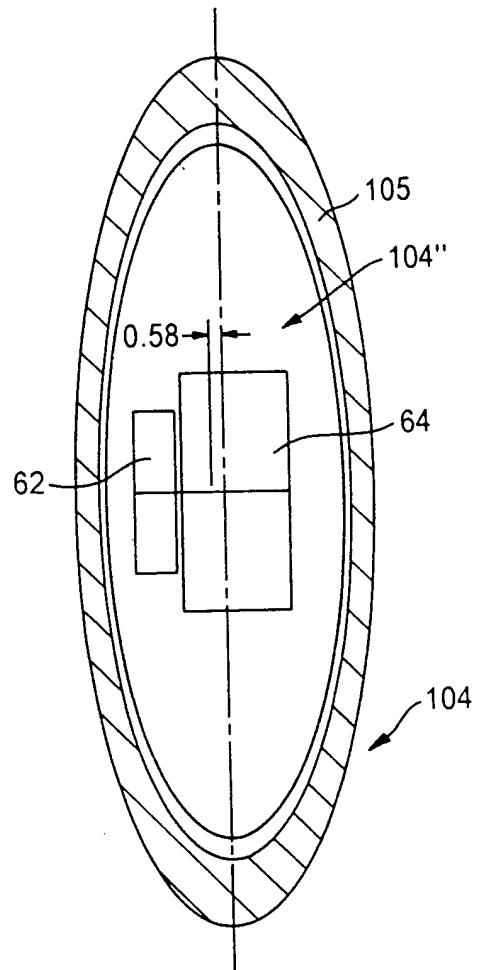


FIG. 8b

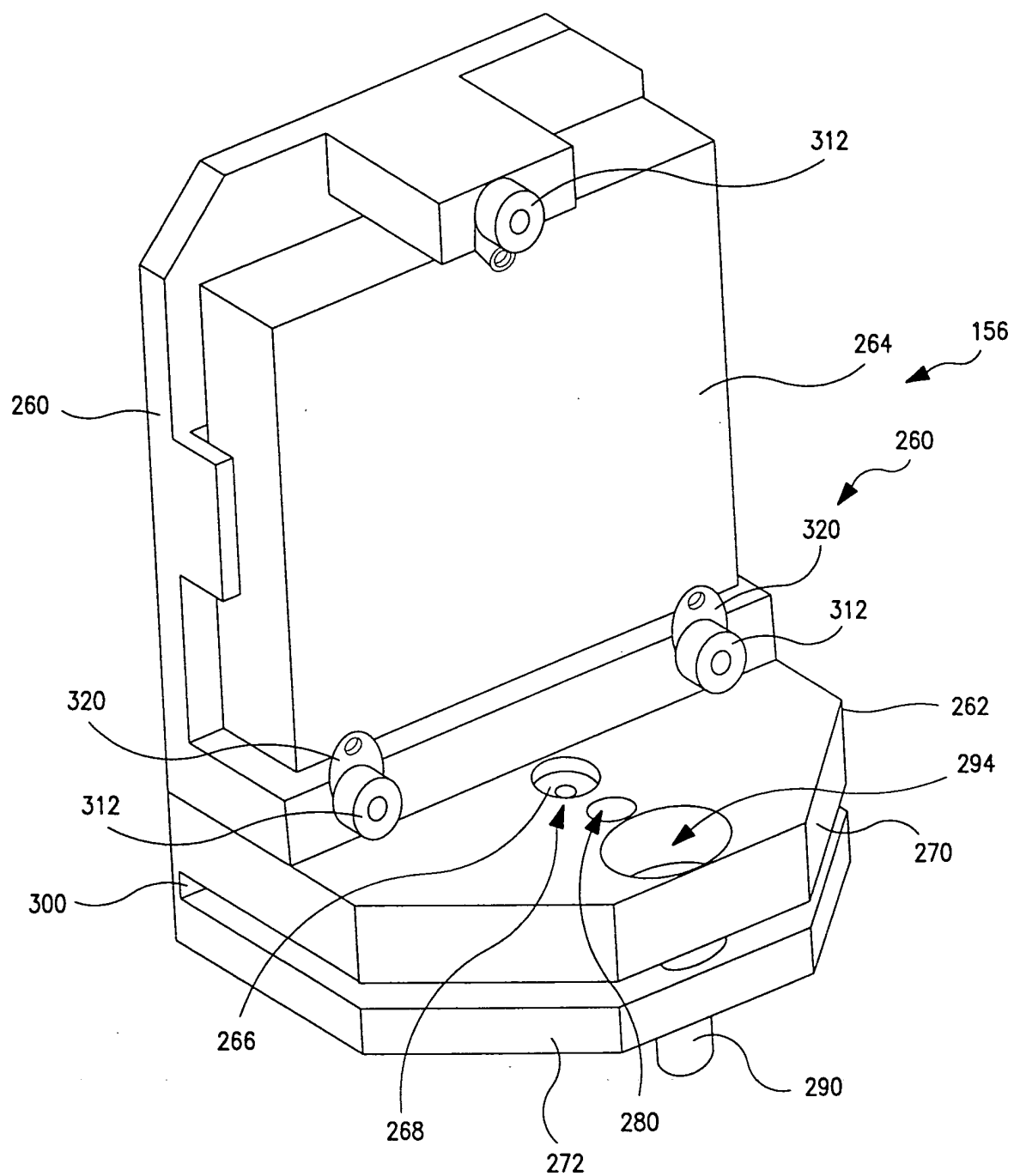


FIG. 9a

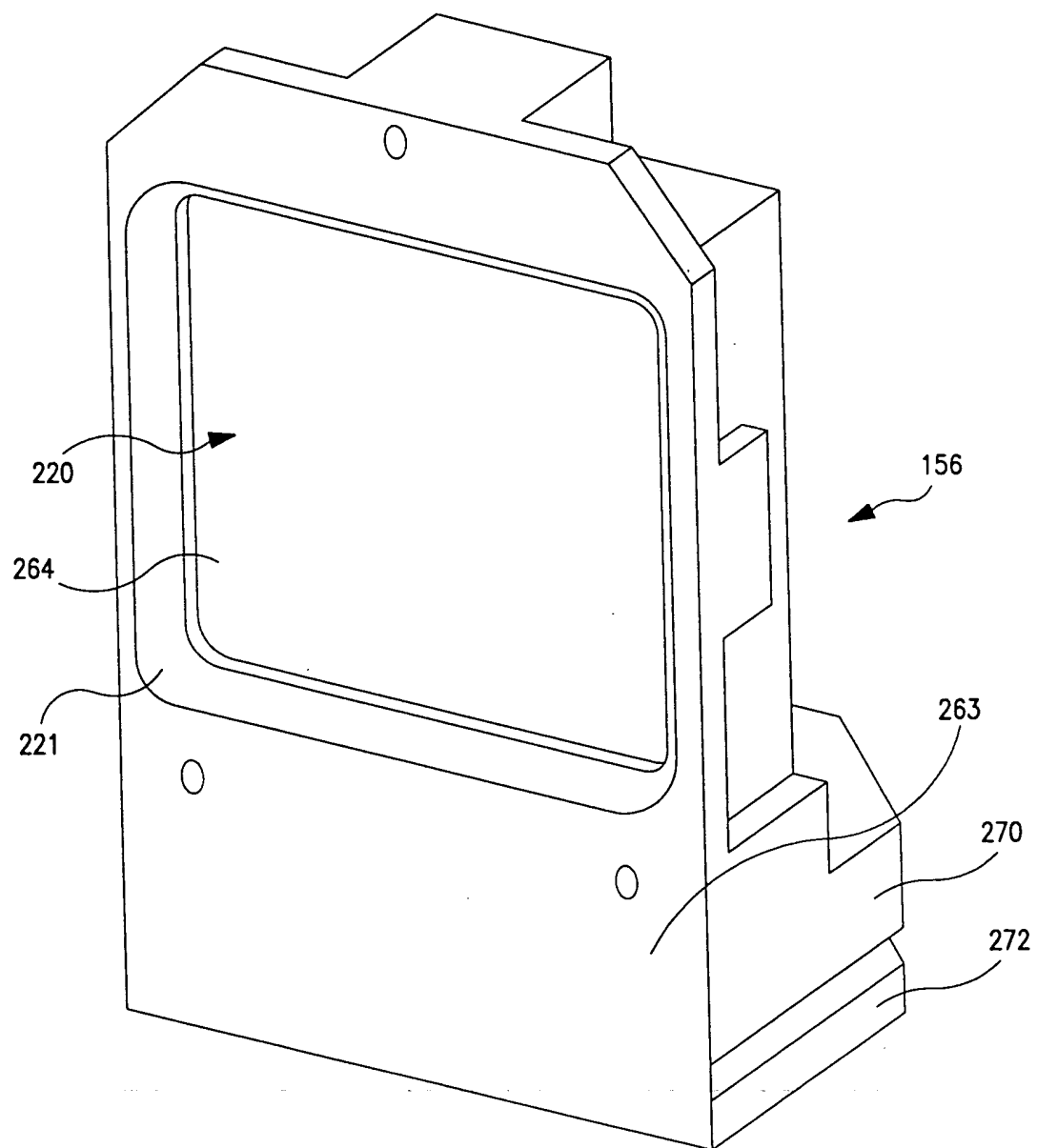


FIG. 9b

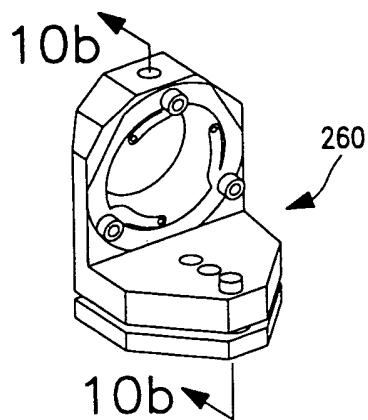


FIG. 10a

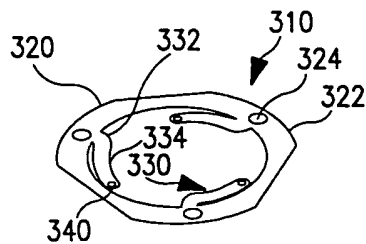


FIG. 10c

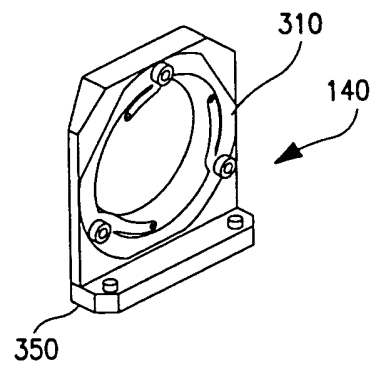


FIG. 11

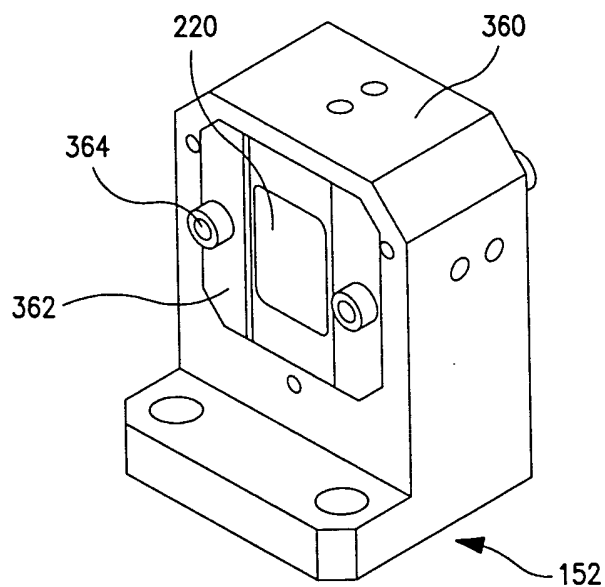


FIG. 12a

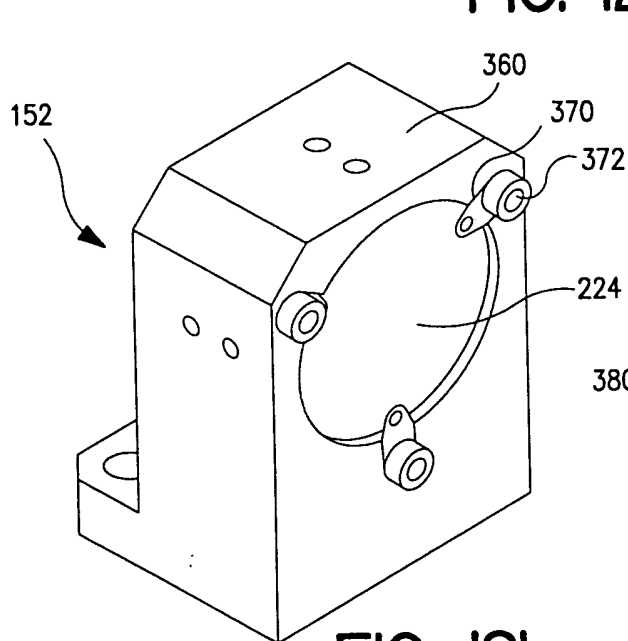


FIG. 12b

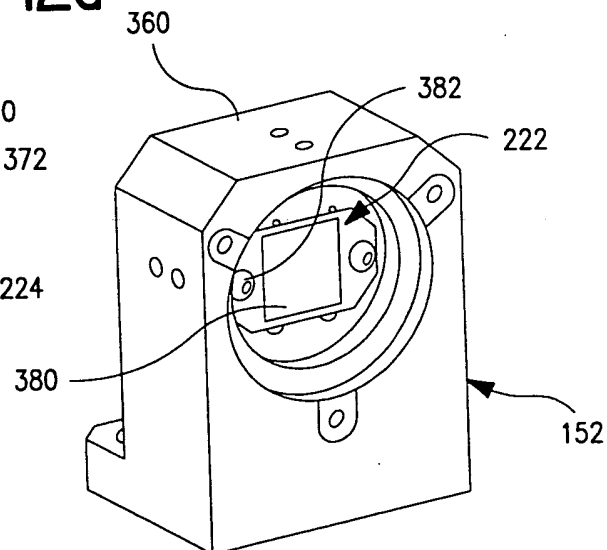


FIG. 12c

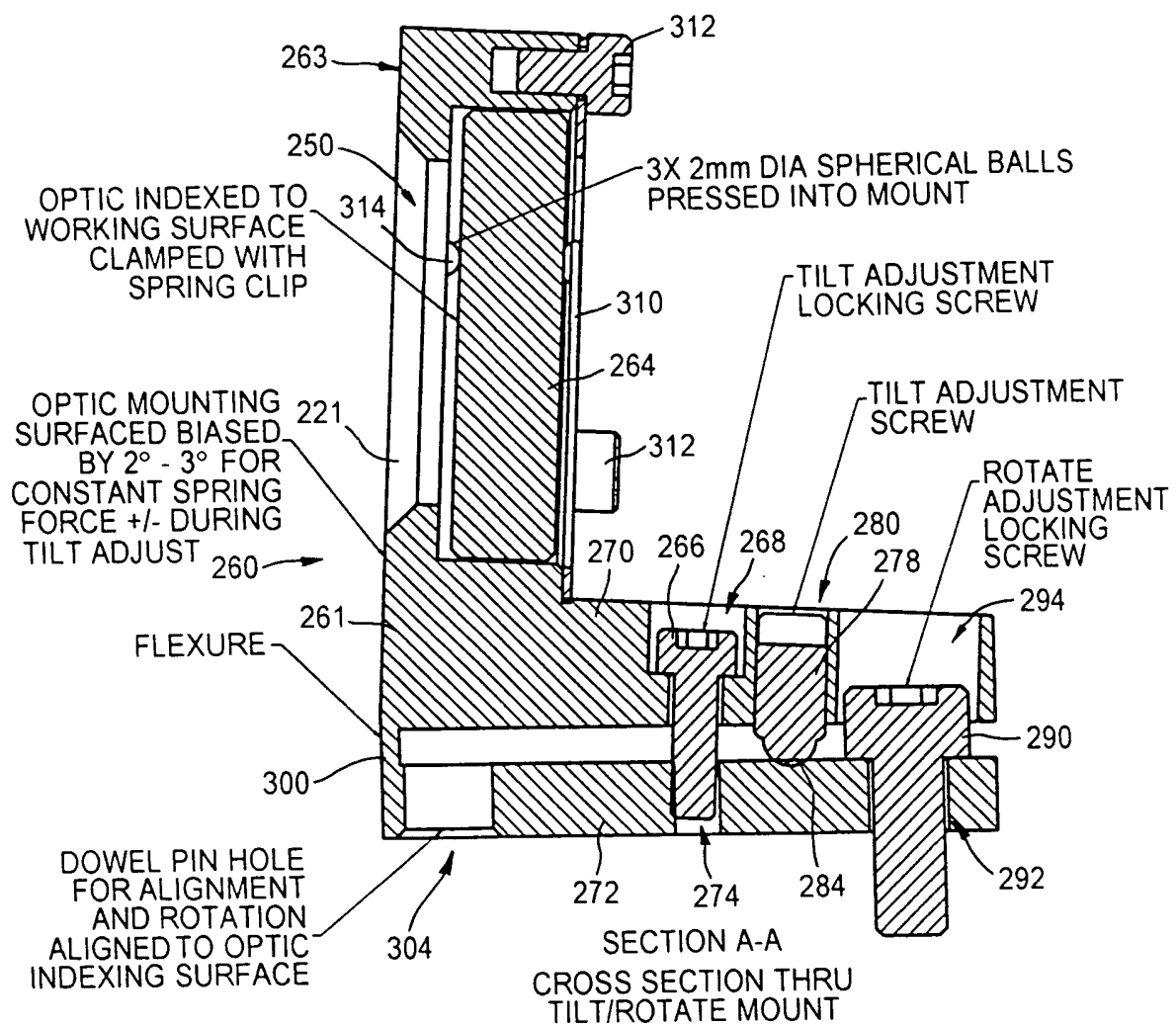


FIG. 10b

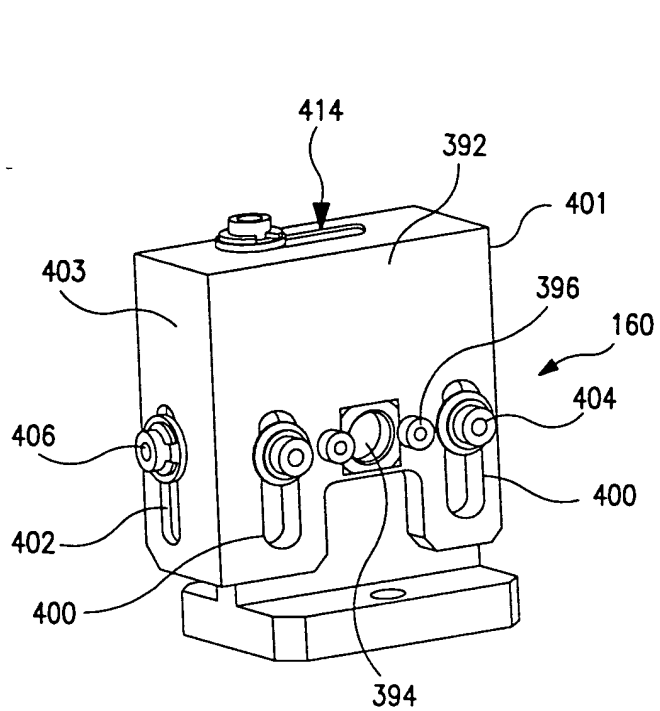


FIG. 13a

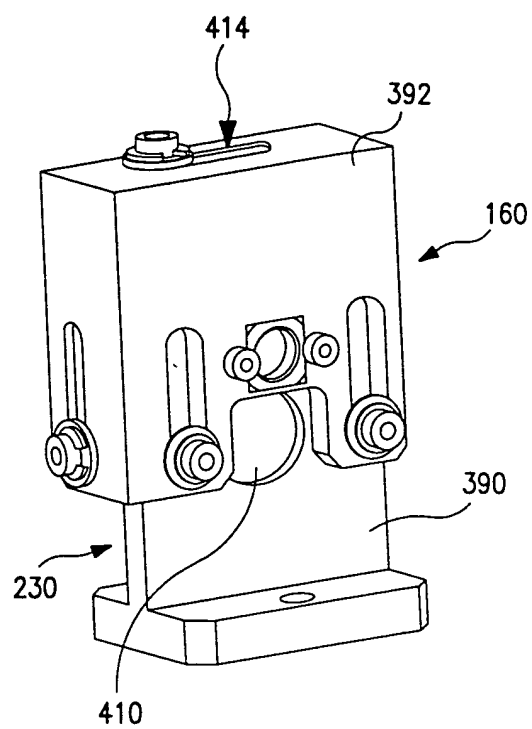


FIG. 13b

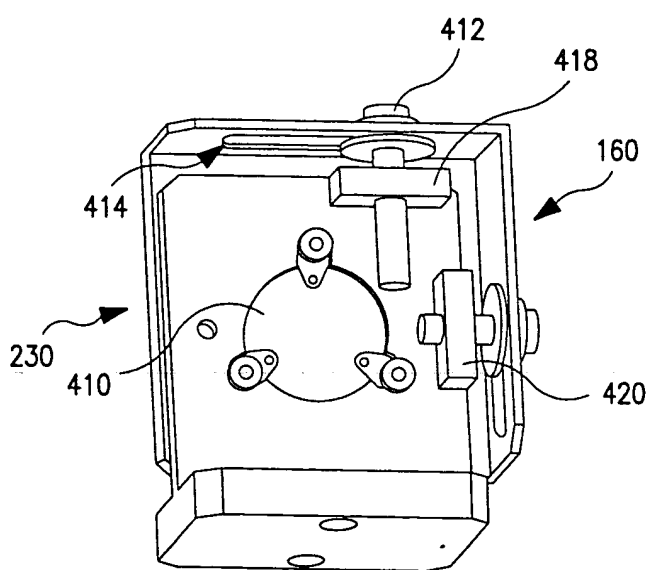


FIG. 13c

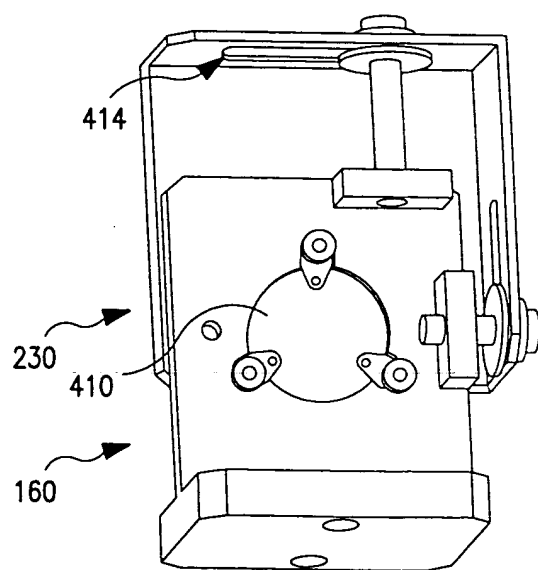


FIG. 13d